CONTENTS

Vol. 143, No. 1, May 1984

Immunohistochemical localization of brain-gut hormones in gastric carcinoma with relation to argyrophil cells. *S. Yamada, N. Sasano and T. Nakamura* 1

Effect of meal and cimetidine on endogenous plasma gastrin, secretin and pancreatic polypeptide in experimental acid hypersecretion in dogs. *F. Koizumi, R. Ushizawa, T. Kawamura, A. Ishimori, I. Sasaki and J. Kameyama* 17

Studies on the relationship between the number of arteriae rectae of intestinal artery and intestinal length. *T. Chiba and E.T. Boles, Jr.* 27

Establishment of a human pancreatic cancer cell line and detection of pancreatic cancer associated antigen. *M. Kobari, S. Matsuno, T. Sato, M. Kan and T. Tachibana* 33

Changes in placental lactogen, beta-chorionic gonadotropin, and unconjugated and total estriol levels in the late course of normal human pregnancy. *N. Furuhashi, Y. Tachibana, H. Kono, O. Shinkawa, T. Takahashi and M. Suzuki* 47

Plasma soluble fibrin monomer complexes in nephrotic syndrome—with reference to hypoalbuminemia. *Y. Iioka, K. Kikuchi, H. Tada, S. Isogai and T. Urayama* 53

Presence of connectin-like protein in white blood cells and platelets. *K. Hashimoto, T. Kamitani, Y. Wada and N. Tatsumi* 59

Effect of pindolol, a β-adrenoceptor blocking agent, on lipid metabolism. *M. Maebashi, K. Yoshinaga and M. Suzuki* 71

The determination of blood histamine in asthmatic patients with a simple and sensitive method. *H. Izumi, S. Hoshi, S. Mue, T. Takishima,* H. Sato and T. Aoki* 79

The human fetal prolactin and estradiol levels, and their correlationship. *T. Fukaya, N. Furuhashi, O. Shinkawa, H. Kono, T. Takahashi and M. Suzuki* 87

Pepsin acid correlation in patients with zollinger-ellison syndrome. *J. Kameyama, H. Naito, Y. Konno and T. Sato* 93

Ph_0 (D) activity of red blood cells and stroma treated with proteolytic enzymes. *T. Yokoi, M. Iwasa and K. Sagisaka* 99

Comparison of glycosaminoglycans from thoracic aortas of several mammals. *J. Aikawa, H. Munakata, M. Isemura, N. Ototani and Z. Yosizawa* 107

Hormonal effects on glycosaminoglycans in thoracic aortas of rabbits. *J. Aikawa, H. Munakata, M. Isemura, N. Ototani and Z. Yosizawa* 113

Immunoelectrophoretic analyses of common antigens between human and monkey sera. *M. Iwasa, T. Yokoi, K. Hirata and K. Sagisaka* 117

Short Reports

Nuclear DNA pattern of the gallbladder cancer. *K. Koyama, H. Goto, K. Ouchi and T. Sato* 125

Acute effect of captopril on serum lipid peroxides level in hypertensive patients. *K. Mizuno, M. Gotoh and S. Fukuchi* 127

Vol. 143, No. 2, June 1984

Primary culture of human esophageal epithelial cells. *M. Katayama, T. Akaishi, T. Nishihira, M. Kasai, M. Kan and I. Yamane* 129

Electron microscopic comparison of the tunica media of the thoracic aorta between species. *T. Toda, Y. Toda and F.A. Kummerow* 141

A role of complement receptors on polymorphonuclear leukocytes in the adherence to immune deposit. *T. Yamamoto, M. Hara, H. Yamamoto and I. Kihara* 149

Effect of vitamin E on platelet aggregation in diabetes mellitus. *J. Watanabe, F. Umeda, H. Wakasugi and H. Ibayashi* 161

Hydrolysis of cholesterol ester in artificial lipid mixtures by cholesterol esterase released from particulate fractions of rat arterial wall. *K. Shirai, M. Shinomiya, N. Matsuoka, Y. Saito and S. Yoshida* 171

Cardiovascular response to exercise in the healthy male septuagenarians with reference to plasma norepinephrine. *K. Miyazawa and I. Yamaguchi* 177

Hyperglycemic effect of neurotensin. *Y. Yawata, K. Yamatani, M. Tominaga, I. Ebitani, M. Hara and H. Sasaki* 185

Pulmonay function tests in excised dog lungs with small airway obstruction by beads. *M. Sugiyama, H. Sasaki, H. Inoue, M. Nakamura, T. Sasaki and T. Takishima* 197

Sulfated glycosaminoglycans synthesized in rabbit uterus. *H. Munakata, M. Isemura and Z. Yosizawa* 205

The inhibitory effect of circulating lymphocytes on granulopoiesis in human cyclic neutropenia in vitro. *M. Inoue, K. Yamada, Y. Ishida, K. Shinohara, T. Kaneko and N. Matsumoto* 213

The effect of divalent cations on the rosette formation via C3 receptors. *T. Okuda, S. Sato and T. Tachibana* 221

Effect of niceritrol on lipid metabolism of aorta in atherosclerotic rats. *K. Shirai, Y. Ishikawa, T. Nishide, N. Sasaki, S. Murano, A. Sato, N. Matsuoka, Y. Saito and S. Yoshida* 231

Serum group I pepsinogen (PG I) levels and their changes in the healing process of the ulcer in patients with and without unoperated recurrent ulcer. *C. Nakanome, H. Yamazaki, N. Tanno, M. Sasaki, W. Sato, M. Hanada, N. Moriai and K. Komatsu* 239

Quantitative determination of conjugated and unconjugated bilirubin in bile by thin layer chromatography of their azoderivatives. *F. Shinya* 249

Short Report

Energy level in large intestinal mucosa in patients with ulcerative colitis. *J. Kameyama, H. Narui, M. Inui and T. Sato* 253

Vol. 143, No. 3, July 1984

On the new secretor status recognized by saliva specific ABH antigens. *K. Sagisaka, M. Iwasa and T. Yokoi* 255

Electron microscopic and functional studies on platelets in gray platelet syndrome. *K. Mori, S. Suzuki and K. Sugai* 261

Classification and heredity of diabetes among Japanese patients with diabetes found before 30-year-old. *N. Nagai, S. Takayama, Y. Hirata and H. Maruyama* 289

Comparative studies on tumor and adjuvant (BCGcw)-induced nonspecific suppressor cells in rats. *Y. Mizushima, T. Wepsic, M.A. Desilva, G. Janns and C.H. Larson* 295
Possible role of the pineal gland in pituitary prolactin secretion in female rats. *K. Minato, K. Takahashi, N. Ikeno, M. Watanabe, H. Endo and H. Yamamoto* 305
The effect of protamine on serum complement activity in aminonucleoside nephropathy. *K. Fukuda, J. Seino, T. Saito, K. Yamakage, Y. Kyogoku, K. Kurosawa, H. Sato, T. Furuyama and K. Yoshinaga* 315
Effect of indomethacin and prostaglandin $F_{2\alpha}$ on incorporation of [^{3}H]uridine by preimplantation mouse embryo. *S. Uehara, C.A. Villee and H. Hoshiai* 319
Angiotensin II analogue infusion test in renovascular hypertension under low sodium intake and under spironolactone administration: Is angiotensin II analogue infusion test useful in determining the mode of treatment? *K. Ogawa, A. Hara, M. Matsunaga, C. H. Pak, T. Konishi and C. Kawai* 327
Influence of vagotomy upon GIP release in patients with peptic ulcer. *M. Imamura, J. Kameyama, H. Naito, T. Sato and A. Ohneda* 335
Relative advance of eye movement to the target in the rightward tracking in schizophrenics. *Y. Matsue and T. Okuma* 345
Effect of hypothermia upon the electrocochleogram and auditory evoked brainstem Response. *J. Kusakari, N. Inamura, T. Sakurai and K. Kawamoto* 351
Direct measurement of urinary bile acids of infants by high-performance liquid chromatography connected with an enzyme immobilized column. *Y. Tazawa, M. Yamada, M. Nakagawa, T. Konno and K. Tada* 361
Urometric evaluation of intramural ureter function with continual ureteral perfusion. *T. Morita, S. Kondo, H. Saeki, I. Wada, T. Nishimoto and S. Tsuchida* 373
Short Reports
High yield of platelet-rich plasma from CPD blood compared to ACD blood. *T. Shimizu, Y. Noda, S. Goto, I. Hasegawa and T. Fukuda* 381
Reduced number of erythrocyte sodium pump units in essential hypertension. *Y. Takayama, K. Suzuki, A. Seki, K. Yamaoki and J. Fujii* 383

Vol. 143, No. 4, August 1984

Diagnosis of submucosal tumor by injecting a water soluble contrast medium: development pattern and growing of tumors. *S. Asaki, S. Hatori, T. Nishimura, A. Sato, K. Hanzawa and Y. Goto* 385
A reliable silver staining method for identification of *Pneumocystis carinii* in histologic sections. *M. Senba* 397
The Eaton-Lambert myasthenic syndrome and long-term treatment with prednisolone. *I. Kimura and D.R. Ayyar* 405
Response of the renal pacemaker to β_1-adrenoceptor agonist: difference from the cardiac pacemaker. *T. Morita, T. Suzuki, S. Kondo, H. Saeki and S. Tsuchida* 409
Pneumonia due to *Chlamydia trachomatis* in Japanese infants. *K. Numazaki, S. Chiba, T. Yamanaka, M. Umetsu and T. Nakao* 413
Diagnosis of submucosal tumors by injecting a water soluble contrast medium: judgement of tumor developing pattern and endoscopic lumpectomy. *S. Asaki, S. Hatori, T. Nishimura, A. Sato, T. Okata and Y.*

Goto 421

Chronic intermittent atrial standstill with intraatrial block and split atrial potentials. *E. Oda, Y. Aizawa, T. Shibuya, M. Murata, Y. Arai, T. Ozawa and A. Shibata* 431

Influence of various experimental conditions on the inhibitory effects of (E)-5-(2-bromovinyl)-2′-deoxyuridine on varicella-zoster virus replication in cell culture. *M. Baba, S. Shigeta and E.De Clercq* 441

Three-dimensional morphology of gastric adenocarcinoma. Atypical glands as a basis for histopathologic diagnosis. *T. Takahashi and N. Iwama* 451

Rapid radioimmunoassay of plasma GH and its application to the judgement of surgical results in patients with acromegaly. *K. Hanew, S. Sato, A. Sasaki, Y. Shimizu, O. Murakami, H. Ikeda, R. Katakura, H. Niizuma, J. Suzuki and K. Yoshinaga* 467

Sister chromatid exchanges in human lymphocytes after exposure to pulse-wave ultrasound. *N. Ozawa, A. Yajima, K. Soh, T. Takabayashi, S. Sato, A. Sato and M. Suzuki* 473

Statistical factor analysis and cluster analysis in the etiology of climacteric symptoms. *T. Abe, M. Suzuki, T. Moritsuka and Y. Botan* 481

Lectin-binding patterns of breast carcinoma: significance on structural atypism. *N. Ohuchi, M. Nose, R. Abe and M. Kyogoku* 491

Short Reports

Consecutive bestatin-hormone regimen induces redifferentiation of cancer cells in vitro. *S. Okuyama and H. Mishina* 501

Exfoliation as a mode of cancer elimination in rectal carcinoma. *S. Okuyama, H. Mishina, T. Hariu, K. Yamamoto, T. Matsushiro, R. Yamagata and T. Taima* 503